

WHAT IS CLAIMED IS:

1. **(Currently Amended) Method** A method for wireless communication and telecommunication in a smart home environment ~~with the following features comprising:~~

a) connecting a base station ~~(BS)~~ ~~is connected~~, for ~~holding~~ conducting telephone calls and sending/receiving at least one of text, audio, video and/or control data ~~(TAVS)~~, to at least one of a circuit-switched and/or packet-switched network ~~(LVN, PVN)~~ with an EXTERNAL data source/data sink ~~(E-DQS)~~ assigned to said network for at least one of text, audio, video and/or control data ~~(TAVS)~~ and assigning at least one mobile element ~~(MT, MT1, MT2, MT3, STB, MB, MBK, TKHA)~~ ~~is assigned~~ to the base station BS for holding at least one of conducting telephone calls and/or sending/receiving at least one of text, audio, video and/or control data ~~(TAVS)~~ via at least one air interface or via at least one air interface ~~(LSS)~~ ~~or via at least one air interface (LSS) and a line interface (LTSS),~~ with and a line interface, wherein at least a first mobile element sends/receives at least one of text, audio, video and control data, wherein at least one of the first mobile element and the base station being assigned to an INTERNAL data source/data sink, to send the at least one of text, audio, video and control data transmitted from this and to receive the at least one of text, audio, video and control data to be transmitted to this,

a1) ~~at least a first mobile element (MT, MT1, MB, MBK) and/or a second mobile element (MT, MT2, STB, MB, MBK) sending/receiving text, audio, video and/or control data (TAVS), with~~ with at least one second mobile element at least one of video data and control data are externally sent/received and in case there is more than one second mobile element, INTERNAL telephone calls are held between the second mobile elements or the at least one of text, audio, video and control data are internally sent/received,

a11) ~~the first mobile element (MT, MT1, MB, MBK) and/or the base station (BS) being assigned to a first INTERNAL data source/data sink (I-DSQ1), to send the text, audio, video and/or control data (TAVS) transmitted from this and to receive the text, audio, video and/or control data (TAVS) to be transmitted to this and/or~~

a12) ~~the second mobile element (MT, MT2, STB, MB, MBK) and/or the base station (BS) being assigned to a second INTERNAL data source/data sink (I-DSQ2) to~~

~~send the text, audio, video and/or control data (TAVS) transmitted from this and to receive the text, audio, video and/or control data (TAVS) to be transmitted to this~~

~~a2) with at least one third mobile element (MT, MT3, TKHA) with a21) EXTERNAL telephone calls being held via the base station (BS) and, if there is more than one third mobile element (MT, MT3, TKHA), INTERNAL telephone calls also being held between the third mobile elements (MT, MT3, TKHA) or a22) EXTERNAL telephone calls being held and text, audio, video and/or control data (TAVS) sent externally/received externally via the base station (BS) and, if there is more than one third mobile element (MT, MT3, TKHA), INTERNAL telephone calls also being held between the third mobile elements (MT, MT3) and text, audio, video and/or control data (TAVS) being sent/received internally,~~

b) the ~~third~~second mobile element (~~MT, MT3, TKHA~~) generating control commands (~~STK~~) and sending these via the air interface (~~LSS~~), with said control commands (~~STK~~) being used ~~b1) to detect~~access at least one of text, audio, video and/or control data (~~TAVS~~) terminated in at least one of the base station (~~BS~~), ~~in~~, the first mobile element (~~MT, MT1, MB, MBK~~) and/or in the second mobile element (~~MT, MT2, STB, MB, MBK~~), and the INTERNAL data source/sink and this data being sent from the equipment at least one of the base station, the first mobile element, the second mobile element, and the INTERNAL data source/sink, in which the data is terminated, directly or indirectly to ~~the first INTERNAL data source/data sink (I-DQS), the second INTERNAL data source/data sink (I-DQS2) and/or the EXTERNAL data source/data sink (E-DQS) to be output, released or transferred out and/or~~b2) to detect text, audio, video and/or control data (~~TAVS~~) terminated in the third mobile element (~~MT, MT3, TKHA~~), in the first ~~INTERNAL data source/data sink (I-DQS1) and/or in the second INTERNAL data source/data sink (I-DQS2) and this data being sent from the equipment in which the data terminated via the first mobile element (MT, MT1, MB, MBK) assigned to the first INTERNAL data source/data sink (I-DQS1) or the second mobile element (MT, MT2, STB, MB, MBK) assigned to the second INTERNAL data source/data sink (I-DQS2) and/or the base station (BS) directly or indirectly to the third mobile element (MT, MT3, TKHA), a further third mobile element (MT, MT3, TKHA),~~at least one of the first INTERNAL data source/data sink or a further INTERNAL data source/data sink, the

second mobile element or a further second mobile element, and the EXTERNAL data source/data sink ~~(E-DQS)~~, ~~the first INTERNAL data source/data sink (I-DQS1) and/or the second INTERNAL data source/data sink (I-DQS2)~~, to be output, released or transferred out.

2. (Currently Amended) ~~Method~~The method according to claim 1, ~~characterized in that~~wherein check commands are generated and transmitted in ~~the~~a HF signal via the air interface ~~(LSS)~~, ~~with~~wherein the check commands also ~~controlling~~control the output, release and transfer out of the at least one of text, audio, video and ~~or~~ control data ~~(TAVS)~~.

3. (Currently Amended) ~~Method~~The method according to claim ~~1 or 2~~, ~~characterized in that~~1, wherein a shared interface for telephony and broadband transmission or a separate interface for telephony and broadband transmission respectively is used as the air interface ~~(LSS)~~.

4. (Currently Amended) ~~Method~~The method according to claim 3, ~~characterized in that an interface based on~~wherein an interface is used as the air interface, wherein the interface is based on one of the standards selected from the group consisting of: DECT, WDCT, DECT and Bluetooth, WDCT and Bluetooth, DECT and IEEE 802.11 a, DECT and IEEE 802.11b, DECT and IEEE 802.11g, WDCT and IEEE 802.11 a, WDCT and IEEE 802.11b, WDCT and IEEE 802.11g, GSM and DECT, GSM and Bluetooth, GSM and IEEE 802.11 a, GSM and IEEE 802.11 b, GSM and IEEE 802.11 g, 3GPP and Bluetooth, 3GPP and IEEE 802.11 a, 3GPP and IEEE 802.11b ~~or, and~~ 3GPP and IEEE 802.11 g ~~is used as the air interface (LSS)~~.

5. (Currently Amended) ~~Method~~The method according to claim 1, ~~characterized in that~~wherein short messages according to the Short Message Service or video text information is used as text data, telephone call information, music information according to the Multimedia Message Service ~~(MMS)~~ or audio downloads from the internet, in particular MP3 files, are used as audio data, image information according to the Multimedia

Message Service or video downloads from the internet are used as video data and/or data for controlling, measuring, regulating, calibrating, diagnosing and/or maintaining electrical appliances, in particular in the domestic field, is used as control data.

6. **(Currently Amended) Method**The method according to claim 1, ~~3 or 4,~~
~~characterized in that~~wherein a cordless user-friendly telephone handset with keypad or voice control and display device including menu control is used as the ~~third~~second mobile element (~~MT, MT3, TKHA~~) and a cordless base station is used as the base station (~~BS~~).

7. **(Currently Amended) Method**The method according to claim ~~1, 3 or 4,~~
~~characterized in that~~1, wherein a mobile telephone with a cordless interface, in particular a Bluetooth interface, keypad (~~TA~~) or voice control and display device (~~AV~~) including menu control is used as the ~~third~~second mobile element (~~MT, MT3, TKHA~~) and a cordless base station is used as the base station (~~BS~~).

8. **(Currently Amended) Method**The method according to claim 1, ~~6 or 7,~~
~~characterized in that~~wherein a cordless I/O mobile box (~~MB, MBK~~) with an Ethernet interface or a USB interface is used as the first mobile element (~~MT, MT1, MB, MBK~~).

9. **Method**The method according to claim 1, ~~6, 7 or 8, characterized in that~~wherein a cordless set-top box (~~STB~~) and/or a cordless I/O mobile box (~~MB, MBK~~) having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX interface respectively is used as the ~~second~~first mobile element (~~MT, MT2, STB, MB, MBK~~).

10. **(Currently Amended) Method**The method according to claim ~~1 or 8,~~
~~characterized in that~~1, wherein the first mobile element (~~MT, MT1, MB, MBK~~) is connected to a personal computer (~~PC~~) as ~~the~~a first INTERNAL data source/data sink (~~I-DQS1~~).

11. ~~Method~~The method according to claim 1, ~~characterized in that~~1, wherein the first mobile element (~~MT, MT1, MB, MBK~~) is integrated in a personal computer (~~PC~~) as ~~the~~a first INTERNAL data source/data sink (~~I-DQS1~~).

12. (Currently Amended) ~~Method~~The method according to claim ~~1 or 9~~, ~~characterized in that the second~~1, wherein the first mobile element (~~MT, MT2, STB, MB, MBK~~) is connected to a television (~~FA~~), a HIFI unit (~~HA~~) or an electrical appliance (~~ELG~~) as ~~the~~a second INTERNAL data source/data sink (~~I-DQS2~~).

13. (Currently Amended) ~~Method~~The method according to claim 1, ~~characterized in that~~1, wherein the second mobile element (~~MT, MT2, STB, MB, MBK~~) is integrated in a television (~~FA~~), a HIFI unit (~~HA~~) or an electrical appliance (~~ELG~~) as the second INTERNAL data source/data sink (~~I-DQS2~~).

14. (Currently Amended) ~~Method~~The method according to claim 1, ~~characterized in that~~wherein the EXTERNAL data source/data sink (~~E-DQS~~) is used as a multimedia message service center or a short message service center.

15. (Currently Amended) ~~Method~~The method according to claim 1, ~~characterized in that~~wherein the base station (~~BS~~) is connected to a personal computer (~~PC~~) as ~~the~~a first INTERNAL data source/data sink (~~I-DQS1~~) and/or to a television (~~FA~~), a HIFI unit (~~HA~~) or an electrical appliance (~~ELG~~) as ~~the~~a second INTERNAL data source/data sink (~~I-DQS2~~).

16. (Currently Amended) ~~Method~~The method according to claim 1, ~~characterized in that~~wherein the base station (~~BS~~) as a network interface module (~~NSSM~~) is integrated in a personal computer (~~PC~~) as ~~the~~a first INTERNAL data source/data sink (~~I-DQS1~~), in a television (~~FA~~), HIFI (~~HA~~) or an electrical appliance (~~ELG~~) as ~~the~~a second INTERNAL data source/data sink (~~I-DQS2~~).

17. ~~(Currently Amended) Method according to claim 1 and 10 or 1 and 11~~
~~characterized in that the control commands (STK)~~The method according to claim 1,
wherein the first mobile element is connected to a personal computer as a first
INTERNAL data source/data sink or wherein the first mobile element is integrated in a
personal computer as a first INTERNAL data source/data sink, and wherein the control
commands are used to wake up and start up the personal computer ~~(PC)~~ from standby mode.

18. ~~(Currently Amended) Method according to claim 1 and 12 or 1 and 13,~~
~~characterized in that the control commands (STK)~~The method according to claim 1,
wherein the first mobile element is connected to a television or an electrical appliance as
a second INTERNAL data source/data sink or wherein the second mobile element is
integrated in a television, a HIFI unit, or an electrical appliance as the second
INTERNAL data source/data sink, and wherein the control commands are used to wake
up and start up the television ~~(FA)~~, HIFI unit ~~(HA)~~ or electrical appliance ~~(ELG)~~ from
standby mode.

19. ~~(Currently Amended) Method~~The method according to claim 1, ~~9 and 12 or~~
~~1, 9 and 13,~~
~~characterized in that the control commands (STK)~~wherein a cordless set-top
box and/or a cordless I/O mobile box having an analog/digital interface, a SCART/S-
VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX interface
respectively is used as the first mobile element, and wherein the first mobile element is
connected to a television, a HIFI unit, or an electrical appliance as a second INTERNAL
data source/data sink or wherein the second mobile element is integrated in a television,
a HIFI unit, or an electrical appliance as the second INTERNAL data source/data sink,
and wherein the control commands are used to implement televoting.

20. ~~(Currently Amended) Method~~The method according to claim 1, ~~9 and 12 or~~
~~1, 9 and 13,~~
~~characterized in that the control commands (STK)~~wherein a cordless set-top
box and/or a cordless I/O mobile box having an analog/digital interface, a SCART/S-
VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX interface
respectively is used as the first mobile element, and wherein the first mobile element is

connected to a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink or wherein the second mobile element is integrated in a television, a HIFI unit, or an electrical appliance as the second INTERNAL data source/data sink, and wherein the control commands are used to display the start and continuation of a television program on the ~~third~~second mobile element-(MT3, MT, TKHA).

21. ~~(Currently Amended) Telecommunication~~A telecommunication system ~~(TKS1, TKS2, TKS3)~~ for wireless communication and telecommunication in a smart home environment ~~with the following features~~comprising:

a) a base station BS for ~~holding~~conducting telephone calls and sending/receiving at least one of text, audio, video and/~~or~~ control data-(TAVS), which can be connected to at least one of a circuit-switched and/~~or~~ a packet-switched network (~~LVN, PVN~~) with an EXTERNAL data source/data sink (~~E-DQS~~) assigned to said network for at least one of text, audio, video and/~~or~~ control data-(TAVS), and at least one mobile element (~~MT, MT1, MT2, MT3, STB, MB, MBK, TKHA~~) are connected together for ~~holding~~at least one of conducting telephone calls and/~~or~~ sending/receiving at least one of text, audio, video and/~~or~~ control data (~~TAVS~~) via at least one air interface (~~LSS~~) or via at least one air interface-(LSS) and a line interface (~~LTSS~~), with wherein

al) at least a first mobile element (~~MT, MT1, MB, MBK~~) and/~~or~~ a second mobile element (~~MT, MT2, STB, MB, MBK~~) being configured to send/receive at least one of text, audio, video and/~~or~~ control data-(TAVS), ~~with a11~~, wherein at least one of the first mobile element (~~MT, MT1, MB, MBK~~) and/~~or~~ the base station (BS) being assigned respectively to the ~~first~~an INTERNAL data source/data sink-(I-DSQ1), to receive the at least one of text, audio, video and/~~or~~ control data-(TAVS) intended for the first INTERNAL data source/data sink (I-DSQ1) and to send the at least one of text, audio, video and/~~or~~ control data-(TAVS) originating from the first INTERNAL data source/data sink (I-DSQ1) and/~~or~~ ~~a12~~ the second mobile element (~~MT, MT2, STB, MB, MBK~~) and/~~or~~ the base station (BS) being assigned respectively to the second INTERNAL data source/data sink (I-DSQ2) to receive the text, audio, video and/~~or~~ control data (TAVS) intended for the second INTERNAL data source/data sink (I-DSQ2) and to send the text, audio, video and/~~or~~ control data (TAVS) originating from the second INTERNAL data source/data sink (I-DSQ2),

a2) at least one ~~thirdsecond~~ mobile element ~~(MT, MT3, TKHA)~~a21) being is configured ~~for holding EXTERNAL telephone calls via the base station (BS) and, if there is more than one third mobile element (MT, MT3, TKHA), also for holding INTERNAL telephone calls between the third mobile elements (MT, MT3, TKHA)to conduct EXTERNAL telephone calls~~ ora22) being configured for holding EXTERNAL telephone calls and for the EXTERNAL transmission/receipt to EXTERNAL-send/receive at least one of text, audio, video and/or control data ~~(TAVS) via the base station (BS) and, if there is more than one thirdsecond mobile element (MT, MT3, TKHA), also for holdingto conduct INTERNAL telephone calls and for the INTERNAL transmission/receiptor to send /receive internally at least one~~ of text, audio, video and/or control data ~~(TAVS) between the thirdsecond mobile elements (MT, MT3),~~

b) the ~~thirdsecond~~ mobile element ~~(MT, MT3, TKHA)~~ havinghas a central control unit ~~(MT-P)~~ connected to the air interface ~~(LSS)~~ to control the operation and function processes in the ~~thirdsecond~~ mobile element ~~(MT, MT3, TKHA)~~, a storage unit ~~(MT-S)~~ assigned to the central control unit ~~(MT-P)~~ and means ~~(BSS, TA)~~ connected to the central control unit ~~(MT-P)~~ for inputting at least one of text, audio, video and/or control data ~~(TAVS)~~ and means ~~(BSS, AV)~~ for outputting at least one of text, audio, video and/or control data ~~(TAVS)~~, which form a function unit, which is configured such that control commands ~~(STK)~~ are generated and transmitted via the air interface ~~(LSS)~~, withwherein said control commands ~~(STK)~~ being used**bl** to ~~detect~~access at least one of text, audio, video and/or control data ~~(TAVS)~~ terminated in at least one of the base station ~~(BS)~~, ~~in~~ the first mobile element, ~~(MT, MT1, MB, MBK) and/or in the second mobile element (MT, MT2, STB, MB, MBK), and the INTERNAL data source/sink~~ and this data being sent from the equipmentat least one of the base station, the first mobile element, the second mobile element, and the INTERNAL data source/sink, in which the data terminated, directly or indirectly to at least one of the first-INTERNAL data source/data sink ~~(I-DQS1)~~, ~~the second INTERNAL data source/data sink (I-DQS2) and/or the EXTERNAL data source/data sink (E-DQS) to be output, released or transferred out and/orb2) to detect text, audio, video and/or control data (TAVS) terminated in the third mobile element (MT, MT3, TKHA), in the first INTERNAL data source/data sink (I-DQS1) and/or in the second INTERNAL data source/data sink (I-DQS2) and this data being sent from the~~

~~equipment in which the data terminated via the first mobile element (MT, MT1, MB, MBK) assigned to the first INTERNAL data source/data sink (I-DQS1) or the second mobile element (MT, MT2, STB, MB, MBK) assigned to the second INTERNAL data source/data sink (I-DQS2) and/or the base station (BS) directly or indirectly to the third mobile element (MT, MT3, TKHA), a further third mobile element (MT, MT3, TKHA), or a further INTERNAL data source/data sink, the second mobile element or a further second mobile element, and~~ the EXTERNAL data source/data sink (~~E-DQS~~), ~~the first INTERNAL data source/data sink (I-DQS1) and/or the second INTERNAL data source/data sink (I-DQS2)~~, to be output, released or transferred out.

22. ~~(Currently Amended) Telecommunication~~ The telecommunication system according to claim 21, ~~characterized in that wherein~~ in the ~~third~~ second mobile element (~~MT, MT3, TKHA~~) the central control unit (~~MT-P~~) with the assigned storage unit (~~MT-S~~) connected to the air interface (~~LSS~~) and the input means (~~BSS, TA~~) and output means (~~BSS, AV~~) connected to the central control unit (~~MT-P~~) are configured such that check commands are generated and transmitted in the HF signal via the air interface (~~LSS~~), with the check commands also being able to control the output, release and transfer out of the text, audio, video and/or control data (~~TAVS~~).

23. ~~(Currently Amended) Telecommunication~~ The telecommunication system according to claim ~~21 or 22~~, ~~characterized in that~~ 21, wherein the air interface (~~LSS~~) includes or is a shared interface for telephony and broadband transmission or a separate interface for telephony and broadband transmission respectively.

24. ~~(Currently Amended) Telecommunication~~ The telecommunication system according to claim 23, ~~characterized in that wherein~~ the air interface (~~LSS~~) is an interface based on a standard selected from the group consisting of: DECT, WDCT, DECT and Bluetooth, WDCT and Bluetooth, DECT and IEEE 802.11 a, DECT and IEEE 802.11b, DECT and IEEE ~~802.11~~ 802.11g, WDCT and IEEE 802.11 a, WDCT and IEEE 802.11b, WDCT and IEEE 802.11 g, GSM and DECT, GSM and Bluetooth, GSM and IEEE 802.11a,

GSM and IEEE 802.11b, GSM and IEEE 802.11 g, 3GPPP and Bluetooth, 3 GPP and IEEE 802.11 a, 3 GPP and IEEE 802.11b-~~or,~~ and 3GPP and IEEE 802.11g.

25. **(Currently Amended) Telecommunication**The telecommunication system according to claim 21, ~~characterized in that~~wherein the text data includes short messages according to the Short Message Service or video text information, the audio data includes telephone call information, music information according to the Multimedia Message Service (~~MMS~~) or audio downloads from the internet, in particular MP3 files, the video data includes image information according to the Multimedia Message Service or video downloads from the internet and/or the control data includes data for controlling, measuring, regulating, calibrating, diagnosing and/or maintaining electrical appliances, in particular in the domestic field.

26. **(Currently Amended) Telecommunication**The telecommunication system according to claim 21, ~~23 or 24, characterized in that~~wherein the ~~third~~second mobile element (~~MT, MT3, TKHA~~) is configured as a cordless user-friendly telephone handset with keypad or voice control and display device including menu control and the base station (~~BS~~) is configured as a cordless base station.

27. **(Currently Amended) Telecommunication**The telecommunication system according to claim 21, ~~23 or 24, characterized in that~~wherein the ~~third~~second mobile element (~~MT, MT3, TKHA~~) is configured as a mobile telephone with a cordless interface, in particular a Bluetooth interface, keypad (~~TA~~) or voice control and display device (~~AV~~) including menu control and the base station (~~BS~~) is configured as a cordless base station.

28. **(Currently Amended) Telecommunication**The telecommunication system according to claim 21, ~~26 or 27, characterized in that~~wherein the first mobile element (~~MT, MT1, MB, MBK~~) is configured as a cordless I/O mobile box (~~MB, MBK~~) with an Ethernet interface or a USB interface.

29. **(Currently Amended) Telecommunication**The telecommunication system according to claim 21, ~~26, 27 or 28, characterized in that~~ the secondwherein the first

mobile element (~~MT, MT2, STB, MB, MBK~~) is configured as a cordless set-top box (~~STB~~) and/or a cordless I/O mobile box (~~MB, MBK~~) having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX interface respectively.

30. **(Currently Amended) Telecommunication**The telecommunication system according to claim ~~21 or 28, characterized in that~~21, wherein the first mobile element (~~MT, MT1, MB, MBK~~) is connected to a personal computer (~~PC~~) as ~~the~~a first INTERNAL data source/data sink (~~I-DQS1~~).

31. **(Currently Amended) Telecommunication**The telecommunication system according to claim 21, ~~characterized in that~~wherein the first mobile element (~~MT, MT1, MB, MBK~~) is integrated in a personal computer (~~PC~~) as the first INTERNAL data source/data sink (~~I-DQS1~~).

32. **(Currently Amended) Telecommunication**The telecommunication system according to claim ~~21 or 29, characterized in that the second~~21, wherein the first mobile element (~~MT, MT2, STB, MB, MBK~~) is connected to a television (~~FA~~), a HIFI unit (~~HA~~) or an electrical appliance (~~ELG~~) as ~~the~~a second INTERNAL data source/data sink (~~I-DQS2~~).

33. **(Currently Amended) Telecommunication**The telecommunication system according to claim 21, ~~characterized in that~~wherein the ~~second~~first mobile element (~~MT, MT2, STB, MB, MBK~~) is integrated in a television (~~FA~~), a HIFI unit, (~~HA~~) or an electrical appliance (~~ELG~~) as ~~the~~a second INTERNAL data source/data sink (~~I-DQS2~~).

34. **(Currently Amended) Telecommunication**The telecommunication system according to claim 21, ~~characterized in that~~wherein the EXTERNAL data source/data sink (~~E-DQS~~) is configured as a multimedia message service center or a short message service center.

35. ~~(Currently Amended) Telecommunication~~The telecommunication system according to claim 21, ~~characterized in that~~wherein the base station ~~(BS)~~ is connected to a personal computer ~~(PC)~~ as ~~the~~a first INTERNAL data source/data sink ~~(I-DQS1)~~ and/or to a television ~~(FA)~~, a HIFI unit ~~(HA)~~, or an electrical appliance ~~(ELG)~~ as ~~the~~a second INTERNAL data source/data sink ~~(I-DQS2)~~.

36. ~~(Currently Amended) Telecommunication~~The telecommunication system according to claim 21, ~~characterized in that~~wherein the base station ~~(BS)~~ as a network interface module ~~(NSSM)~~ is integrated in a personal computer ~~(PC)~~ as ~~the~~a first INTERNAL data source/data sink ~~(I-DQS1)~~, in a television ~~(FA)~~, HIFI ~~(HA)~~, or an electrical appliance ~~(ELG)~~ as ~~the~~a second INTERNAL data source/data sink ~~(I-DQS2)~~.

37. ~~(Currently Amended) Telecommunication~~The telecommunication system according to claim ~~21 and 30 or 21 and 31~~, ~~characterized in that the control commands (STK)21, wherein the first mobile element is connected to a personal computer as a first INTERNAL data source/data sink or wherein the first mobile element is integrated in a personal computer as the first INTERNAL data source/data sink, and wherein the control commands~~ are supplied such that the personal computer ~~(PC)~~ is woken up and started up from standby mode.

38. ~~(Currently Amended) Telecommunication~~The telecommunication system according to claim ~~21 and 32 or 21 and 33~~, ~~characterized in that the control commands (STK)21, wherein the first mobile element is connected to a television or an electrical appliance as a second INTERNAL data source/data sink or wherein the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink, and wherein the control commands~~ are supplied such that the television ~~(FA)~~, ~~the~~ HIFI unit ~~(HA)~~, or electrical appliance ~~(ELG)~~ is woken up and started up respectively from standby mode.

39. ~~(Currently Amended) Telecommunication~~The telecommunication system according to claim 21, ~~29 and 32 or 21, 29 and 33~~, ~~characterized in that the control~~

~~commands (STK)~~wherein the first mobile element is configured as a cordless set-top box and/or a cordless I/O mobile box having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX interface respectively, and wherein the first mobile element is connected to a television or an electrical appliance as a second INTERNAL data source/data sink or wherein the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink, and the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink wherein the control commands are supplied such that televoting is implemented.

40. (Currently Amended) ~~Telecommunication~~The telecommunication system according to claim 21, ~~29 and 32 or 21, 29 and 33, characterized in that the control commands (STK)~~wherein the first mobile element is configured as a cordless set-top box and/or a cordless I/O mobile box having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX interface respectively, and wherein the first mobile element is connected to a television or an electrical appliance as a second INTERNAL data source/data sink or wherein the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink, and the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink wherein the control commands are supplied such that the start and continuation of a television program are displayed on the ~~third~~second mobile element (~~MT3, MT, TKHA~~).

41. (Currently Amended) ~~Telecommunication~~A telecommunication handset (~~MT, MT3, TKHA~~) for wireless communication and telecommunication in a smart home environment ~~with the following features~~comprising:

a) at least one air interface (~~LSS~~), a central control unit (~~MT-P~~) connected to the air interface (~~LSS~~) for controlling operation and function processes in the telecommunication handset (~~MT, MT3, TKHA~~), a storage unit (~~MT-S~~) assigned to the central control unit (~~MT-~~

~~P)~~ and means ~~(BSS, TA)~~ connected to the central control unit ~~(MT-P)~~ for inputting text, audio, video and/or control data ~~(TAVS)~~ and means ~~(BSS, AV)~~ connected to the central control unit ~~(MT-P)~~ for outputting text, audio, video and/or control data ~~(TAVS)~~ form a functional unit, which is configured such that

a1) the telecommunication handset ~~(MT, MT3, TKHA)~~ can be connected to a base station ~~(BS)~~ **for holding EXTERNAL telephone calls or for holding for conducting** EXTERNAL telephone calls and for the EXTERNAL transmission/receipt of text, audio, video and/or control data ~~(TAVS)~~, said base station ~~(BS)~~ being such that it can be connected to a circuit-switched and/or packet-switched network ~~(LVN, PVN)~~ with an EXTERNAL data source/data sink ~~(E-DQS)~~ assigned thereto for text, audio, video and/or control data ~~(TAVS)~~,

a2) if further telecommunication handsets ~~(MT, MT3, TKHA)~~ and/or at least one additional first mobile element ~~(MT, MT1, MB, MBK)~~ and/or **second mobile element** ~~(MT, MT2, MB, MBK)~~ is/are connected to the base station ~~(BS)~~ for sending/receiving at least one of text, audio, video and/or control data ~~(TAVS)~~, the telecommunication handset ~~(MT, MT3, TKHA)~~

a21) can be connected to each of these telecommunication handsets ~~(MT, MT3, TKHA)~~ for **holding conducting** INTERNAL telephone calls **or for holding** ~~INTERNAL telephone calls and for the INTERNAL transmission/receipt of text, audio, video and/or control data (TAVS)~~, a22) ~~can be connected to each of these mobile elements (MT, MT1, MT2, STB, MB, MBK) and~~ for the INTERNAL transmission/receipt of text, audio, video and/or control data ~~(TAVS)~~, with,

a23)22) can be connected to each of these mobile elements for the INTERNAL transmission/receipt of text, audio, video and/or control data, wherein the first mobile element ~~(MT, MT1, MB, MBK)~~ and/or the base station being assigned respectively to the **first** INTERNAL data sink ~~(I-DSQ1)~~, to receive the text, audio, video and/or control data ~~(TAVS)~~ intended for the **first** INTERNAL data source/data sink ~~(I-DSQ1)~~ and to send the text, audio, video and/or control data ~~(TAVS)~~ originating from the first INTERNAL data source/data sink ~~(I-DSQ1)~~ and/or a24) ~~the second mobile element (MT, MT2, STB, MB, MBK) and/or the base station (BS) being assigned respectively to the second INTERNAL data source/data sink (I-DSQ2) to receive the text, audio, video and/or control data (TAVS) intended for the second INTERNAL data source/data sink (I-~~

~~DSQ2) and to send the text, audio, video and/or control data (TAVS) originating from the second INTERNAL data source/data sink (I-DSQ2),~~

a3) control commands (~~STK~~) being generated and transmitted via the air interface (~~LSS~~), with said control commands being used ~~a31)~~ to ~~detect~~ access at least one of text, audio, video and/or control data (~~TAVS~~) terminated in at least one of the base station (~~BS~~), ~~in the first mobile element (MT, MT1, MB, MBK) and/or in the second mobile element (MT, MT2, STB, MB, MBK), the telecommunication handset and the INTERNAL data source/sink~~ and this data being sent from the ~~equipment~~ at least one of the base station, the first mobile element, the telecommunication handset and the INTERNAL data source/sink, in which the data terminated, directly or indirectly to at least one of the first INTERNAL data source/data sink (~~I-DQS1~~), ~~the second INTERNAL data source/data sink (I-DQS2) and/or the EXTERNAL data source/data sink (E-DQS) to be output, released or transferred out and/or~~ ~~a32)~~ to detect text, audio, video and/or control data (~~TAVS~~) terminated in the telecommunication handset (~~MT, MT3, TKHA~~), in the first INTERNAL data source/data sink (~~I-DQS1~~) and/or in the second INTERNAL data source/data sink (~~I-DQS2~~) and this data being sent from the equipment in which the data terminated via the first mobile element (~~MT, MT1, MB, MBK~~) assigned to the first INTERNAL data source/data sink (~~I-DQS1~~) or the second mobile element (~~MT, MT2, STB, MB, MBK~~) assigned to the second INTERNAL data source/data sink (~~I-DQS2~~) and/or the base station (~~BS~~) directly or indirectly to the telecommunication handset (~~MT, MT3~~), one of the further telecommunication handsets (~~MT, MT3~~), the EXTERNAL data source/data sink (~~E-DQS~~), the first INTERNAL data source/data sink (~~I-DQS1~~) and/or the second INTERNAL data source/data sink (~~I-DQS2~~), to be output, released or transferred out or a further INTERNAL data source/data sink, the telecommunication handset or a further telecommunication handset, and the EXTERNAL data source/data sink to be output, released or transferred out.

42. (Currently Amended) ~~Telecommunication~~ The telecommunication handset according to claim 41, ~~characterized in that~~ wherein the function unit formed by the air interface (~~LSS~~), the central control unit (~~MT-P~~) connected to the air interface (~~LSS~~), the storage unit (~~MT-S~~) assigned to the central control unit (~~MT-P~~) and the input means (~~BSS~~,

~~TA~~) and output means ~~(BSS, AV)~~ connected to the central control unit ~~(MT-P)~~ is configured such that check commands are generated and transmitted in the HF signal via the air interface ~~(LSS)~~, with the check commands also being able to control the output, release and transfer out of the text, audio, video and/or control data ~~(TAVS)~~.

43. **(Currently Amended) ~~Cordless telephone~~ The telecommunication** handset according to claim ~~41 or 22, characterized in that~~ 41, wherein the air interface ~~(LSS)~~ includes or is a shared interface for telephony and broadband transmission or a separate interface for telephony and broadband transmission respectively.

44. **(Currently Amended) ~~Telecommunication~~ The telecommunication** handset according to claim 43, ~~characterized in that~~ wherein the air interface ~~(LSS)~~ is an interface based on a standard selected from the group consisting of DECT, WDCT, DECT and Bluetooth, WDCT and Bluetooth, DECT and IEEE 802.1 la, DECT and IEEE 802.11b, DECT and IEEE 802.11g, WDCT and IEEE 802.1 la, WDCT and IEEE 802.11b, WDCT and IEEE ~~802.1-1802.11~~g, GSM and DECT, GSM and Bluetooth, GSM and IEEE 802.1 la, GSM and IEEE 802.11b, GSM and IEEE ~~802.1-1802.11~~g, 3GPP and Bluetooth, 3GPP and IEEE 802.11 a, 3GPP and IEEE 802.11b ~~or, and~~ 3GPP and IEEE 802.11g.

45. **(Currently Amended) ~~Telecommunication~~ The telecommunication** handset according to claim ~~31, characterized in that~~ 41, wherein the text data includes short messages according to the Short Message Service or video text information, the audio data includes telephone call information, music information according to the Multimedia Message Service ~~(MMS)~~ or audio downloads from the internet, in particular MP3 files, the video data includes image information according to the Multimedia Message Service or video downloads from the internet and/or the control data includes data for controlling, measuring, regulating, calibrating, diagnosing and/or maintaining electrical appliances, in particular in the domestic field.

46. **(Currently Amended) ~~Telecommunication~~ The telecommunication** handset according to claim 41, ~~43 or 44, characterized by~~ comprising a cordless user-friendly

telephone handset with keypad ~~(TA)~~ or voice control and display device ~~(AV)~~ including menu control, which is assigned to a cordless base station as the base station ~~(BS)~~.

47. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim 41, ~~43 or 44, characterized by comprising~~ a mobile telephone with a cordless interface, in particular a Bluetooth interface, keypad ~~(TA)~~ or voice control and display device ~~(AV)~~ including menu control, which is assigned to a cordless base station as the base station ~~(BS)~~.

48. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim 41, ~~46 or 47, characterized in that wherein~~ the first mobile element ~~(MT, MT1, MB, MBK)~~ is configured as a cordless I/O mobile box ~~(MB, MBK)~~ with an Ethernet interface or a USB interface.

49. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim 41, ~~46, 47 or 48, characterized in that the second wherein the first~~ mobile element ~~(MT, MT2, STB, MB, MBK)~~ is configured as a cordless set-top box ~~(STB)~~ and/or a cordless I/O mobile box ~~(MB, MBK)~~ having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX interface respectively.

50. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim ~~41 or 48, characterized in that~~ 41, wherein the first mobile element ~~(MT, MT1, MB, MBK)~~ is connected to a personal computer ~~(PC)~~ as ~~the~~ a first INTERNAL data source/data sink ~~(I-DQS1)~~.

51. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim 41, ~~characterized in that wherein~~ the first mobile element ~~(MT, MT1, MB, MBK)~~ is integrated in a personal computer ~~(PC)~~ as ~~the~~ a first INTERNAL data source/data sink ~~(I-DQS1)~~.

52. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim ~~41 or 49, characterized in that the second~~ 41, wherein the first mobile element ~~(MT, MT2, STB, MB, MBK)~~ is connected to a television ~~(FA)~~, a HIFI unit ~~(HA)~~, or an electrical appliance ~~(ELG)~~ as ~~the a~~ second INTERNAL data source/data sink ~~(I-DQS2)~~.

53. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim 41, ~~characterized in that~~ wherein the ~~second~~ first mobile element ~~(MT, MT2, STB, MB, MBK)~~ is integrated in a television ~~(FA)~~, a HIFI unit ~~(HA)~~, or an electrical appliance ~~(ELG)~~ as ~~the a~~ second INTERNAL data source/data sink ~~(I-DQS2)~~.

54. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim 41, ~~characterized in that~~ wherein the EXTERNAL data source/data sink ~~(E-DQS)~~ is configured as a multimedia message service center or a short message service center.

55. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim 41, ~~characterized in that~~ wherein the base station ~~(BS)~~ is connected to a personal computer ~~(PC)~~ as ~~the a~~ first INTERNAL data source/data sink ~~(I-DQS1)~~ and/or to a television ~~(FA)~~, a HIFI unit, ~~(HA)~~ or an electrical appliance ~~(ELG)~~ as ~~the a~~ second INTERNAL data source/data sink ~~(I-DQS2)~~.

56. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim 41, ~~characterized in that~~ wherein the base station ~~(BS)~~ as a network interface module ~~(NSSM)~~ is integrated in a personal computer ~~(PC)~~ as ~~the a~~ first INTERNAL data source/data sink ~~(I-DQS1)~~, in a television ~~(FA)~~, HIFI ~~(HA)~~ or an electrical appliance ~~(ELG)~~ as ~~the a~~ second INTERNAL data source/data sink ~~(I-DQS2)~~.

57. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim ~~41 and 50 or 41 and 51, characterized in that the control commands~~ (STK)41, wherein the first mobile element is connected to a personal computer as a first INTERNAL data source/data sink or wherein the first mobile element is integrated in a

personal computer as a first INTERNAL data source/data sink, and wherein the control commands are supplied such that the personal computer (~~PC~~) is woken up and started up from standby mode.

58. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim ~~41 and 52 or 41 and 53, characterized in that the control commands (STK)~~ 41, wherein the first mobile element is connected to a television or an electrical appliance as a second INTERNAL data source/data sink or wherein the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink, and wherein the control commands are supplied such that the television (~~FA~~), HIFI unit, (~~HA~~) or electrical appliance (~~ELG~~) is woken up and started up respectively from standby mode.

59. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim 41, ~~49 and 52 or 41, 49 and 53, characterized in that the control commands (STK)~~ wherein the first mobile element is configured as a cordless set-top box and/or a cordless I/O mobile box having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX interface respectively, and wherein the first mobile element is connected to a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink or wherein the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink, and wherein the control commands are supplied such that televoting is implemented.

60. ~~(Currently Amended) Telecommunication~~ The telecommunication handset according to claim 41, ~~49 and 52 or 41, 49 and 53, characterized in that the control commands (STK)~~ wherein the first mobile element is configured as a cordless set-top box and/or a cordless I/O mobile box having an analog/digital interface, a SCART/S-VIDEO interface, a CINCH/S-PIDF interface and/or an EIB/LON/LCN/KNX interface respectively, and wherein the first mobile element is connected to a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink or wherein

the first mobile element is integrated in a television, a HIFI unit, or an electrical appliance as a second INTERNAL data source/data sink, and wherein the control commands are supplied such that the start and continuation of a television program are displayed on the telecommunication handset ~~(MT3, MT, TKHA)~~.